

**ABSTRACT**

A method and a computer programme for regulating the energy flow in an energy network comprises at least a first and a second area comprising producers and consumers, in which the energy network comprises at least one network connection that limits the transportation capacity of the energy network between said first area and said second area. The method and the computer programme comprise fixing an isolated energy price in the first area and in the second area in proportion to the intended energy production by the producers and the intended energy consumption by the consumers, adjusting said isolated energy prices in said first area and in said second area on the basis of simulated transportation of energy over the network connection and on the basis of the available transportation capacity, and making the adjusted energy prices for the first area and the second area and/or the actual transportation of energy accessible to the producers and/or the consumers and/or the operators of the network. The invention furthermore relates to a system for the electronic auctioning of energy in an energy network over an auctioning network and to a computer programme for the auctioning of energy in such a system.